**Venn Diagram Worksheet**

**A diagram of a venn diagram

Description automatically generated**Shade the following sets using the Venn diagram.

A diagram of a venn diagram

Description automatically generated

A diagram of a venn diagram

Description automatically generated



**A diagram of a venn diagram

Description automatically generated**



A diagram of a three-ringed circle

Description automatically generated

A diagram of a three-ringed circle

Description automatically generated

A diagram of a three-ringed circle

Description automatically generated

A diagram of a three-ringed circle

Description automatically generated

Describe the shaded region using set theory notation.



A green circle with black lines

Description automatically generated

1. A diagram of a venn diagram

   Description automatically generated
2. A diagram of a circle

   Description automatically generated
3. One hundred students were asked whether they currently enrolled in English, History and Spanish. Use the Venn Diagram to answer the questions.

A diagram of a foreign language

Description automatically generated

1. How many students are not enrooled in any of these three disciplines?
2. How many are enrolled in English and History?
3. How many are enrolled in English or History?
4. How many are enrolled in Spanish?

**Answer Key**

A green and black circle with black text

Description automatically generated

A green and black circle with black text

Description automatically generated



A green background with circles and black text

Description automatically generated



A green circles with black text

Description automatically generated

A diagram of a circle with a purple center

Description automatically generated

A diagram of three circles

Description automatically generated

A diagram of a circle with a purple circle

Description automatically generated

A diagram of a circle

Description automatically generated

A diagram of a circle

Description automatically generated

A diagram of a venn diagram

Description automatically generated

A green circle with black lines

Description automatically generated

3. or

***12a*. Eight** are not enrolled in any of these three disciplines.

***12b*. Seventeen** are enrolled in English and History.

***12c*. Eighty** are enrolled in English or History.

***12d*. Thirty-eight** are enrolled in Spanish.